

Title (en)
MULTI-PHASE CONVERTER

Title (de)
MEHRPHASEN-UMRICHTER

Title (fr)
CONVERTISSEUR POLYPHASÉ

Publication
EP 2586123 A4 20141022 (EN)

Application
EP 11798289 A 20110622

Priority
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Abstract (en)
[origin: WO2011162410A1] A multi-phase converter of one of the embodiments includes: a plurality of AC/DC converters which are connected in parallel to each other, wherein each of the plurality of AC/DC converters includes a power factor correction circuit and a DC/DC converter that is connected in series to the power factor correction circuit and that receives an output from the power factor correction circuit, and the power factor correction circuit includes an output voltage adjusting circuit that adjusts an output voltage from the power factor correction circuit.

IPC 8 full level
H02M 1/42 (2007.01); **H02M 3/158** (2006.01)

CPC (source: EP KR US)
H02M 1/4225 (2013.01 - EP KR US); **H02M 3/155** (2013.01 - KR); **H02M 3/1584** (2013.01 - EP US); **H02M 7/08** (2013.01 - US); **H02M 7/12** (2013.01 - KR); **H02M 1/007** (2021.05 - EP US); **Y02B 70/10** (2013.01 - EP US)

Citation (search report)
• [X] US 2007069581 A1 20070329 - MINO KAZUAKI [JP]
• [A] US 2009147553 A1 20090611 - RYU BYOUNG WOO [KR], et al
• [A] LICHAN MENG ET AL: "Current Sharing Control for Boost PFC Converters in Parallel Operation", INDUSTRIAL TECHNOLOGY, 2005. ICIT 2005. IEEE INTERNATIONAL CONFERENCE ON HONG KONG 14-17 DEC. 2005, PISCATAWAY, NJ, USA, IEEE, 14 December 2005 (2005-12-14), pages 502 - 507, XP010897691, ISBN: 978-0-7803-9484-1, DOI: 10.1109/ICIT.2005.1600690
• See references of WO 2011162410A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
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